

## ABSTRACT

This invention relates to a manufacturing method for a polymer electrolyte fuel cell which is formed by laminating a first gas diffusion layer (6A) and a first separator (7A) on one surface of a membrane electrode assembly (9), and laminating a second gas diffusion layer (6B) and a second separator (7B) on the other surface of the membrane electrode assembly (9). An adhesive is applied to a surface of the first separator (7A) which contacts the first gas diffusion layer (6A), the adhesive is applied to a surface of the second separator (7B) which contacts the second gas diffusion layer (6B), and the first separator (7A), first gas diffusion layer (6A), membrane electrode assembly (9), second gas diffusion layer (6B), and second separator (7B) are disposed between a pair of pressing jigs (113, 123) so as to be laminated in the described sequence. An integrated fuel cell is obtained by applying heat and compression to the first separator (7A) and second separator (7B) using the pressing jigs (113, 123).